AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

Claims 1-5. (Canceled)

6. (Previously Presented) A isolated nucleic acid encoding the protein having an amino acid sequence which is selected from a group consisting of SEQ ID NO: 3 and a variant thereof , wherein said protein has the activity of transferring N-acetylgalactosamine to N-acetylglucosamine via a β1-4 linkage, wherein the variant has the amino acid sequence of SEQ ID NO:3 with 1 to 10 amino acids substituted or deleted, or 1 to 10 amino acids inserted or added.

Claim 7. (Canceled)

Claim 8. (Canceled)

9. (Currently Amended) The nucleic acid of Claim [[7]]6 having a nucleotide sequence ~~represented by~~ of SEQ ID NO: 4.

Claim 10. (Canceled)

11. (Previously Presented) A recombinant vector containing the nucleic acid of Claim 6 and being capable of expressing said nucleic acid in a host cell.

12. (Previously Presented) An isolated host cell transformed with the recombinant vector of Claim 11.

Claim 13. (Canceled)

Claim 14. (Canceled)

Claim 15. (Canceled)

Claim 16. (Canceled)

Claim 17. (Canceled)

Claims 18-21. (Canceled)

22. (Withdrawn) A method for determining a canceration of a biological sample comprising the steps of: (a) quantifying the nucleic acid of Claim 6 in the biological sample; and (b) estimating that the biological sample is cancerous in a case that the quantity value of the nucleic acid in the biological sample is 1.5 times or more than that in a control biological sample.

23. (Withdrawn) The method of Claim 22, comprising the steps of: (a) hybridizing at least one analytical nucleic acids to the nucleic acid in the biological sample; (b) amplifying the nucleic acid; (c) hybridizing the analytical nucleic acid to the amplification product; (d) quantifying a signal rising from said amplification product and said analytical nucleic acid hybridized; and (e) estimating that the biological sample is cancerous in the case that the quantity value of said signal is 1.5 times or more than that of a corresponding signal of a control biological sample.

Claims 24-26. (Canceled)